

FDZ *Methodenreport*

Methodological Aspects of Labour Market Data

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FDZ Annual Report 2008

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Table of contents

| | |
|----------------------------------|----|
| Preface..... | 3 |
| 1. General function..... | 4 |
| 2. Basic information..... | 5 |
| 3. The service-oriented FDZ..... | 8 |
| 4. The international FDZ..... | 18 |
| 5. Research at the FDZ..... | 21 |

Preface¹

Following the exceedingly positive response to our Annual Report 2007, you now have the Annual Report 2008 of the Research Data Centre (FDZ) of the Federal Employment Agency at the Institute for Employment Research in this FDZ Methodenreport. Like last year, the FDZ Annual Report 2008 is not a glossy brochure full of photos but summarises the main events of the past 12 months in a few pages. The Annual Report 2008 is mainly based on key figures which the FDZ made available to the German Council for Social and Economic Data for their evaluation in 2009.

The Annual Report also serves to provide transparency for our users, who after all justify the existence of the FDZ. We thus hope you will understand the priorities we have set and that we were not able to fulfil all wishes. Other suggestions regarding our work are, of course, welcomed.

The Report is divided into the following chapters: "General function", "Basic information", "The service-oriented FDZ", "The international FDZ" and, as an apt conclusion, "Research at the FDZ".

We hope all users, all those interested and all sponsors will enjoy reading the 2008 Annual Report.

¹ We would like to thank all FDZ employees for their useful tips and, of course, for their brilliant work in 2008.

1. General function

The Research Data Centre (FDZ) of the Federal Employment Agency (BA) at the Institute for Employment Research (IAB) prepares individual datasets developed in the sphere of social security and in employment research and makes them available for research purposes – primarily for external researchers. Consequently, the FDZ promotes the use of competing scientific approaches, thereby also contributing to the quality assurance of the data. Here the FDZ sees itself as a mediator between data producers such as the BA, the research departments and project groups of the IAB as well as external scientists.

Hence, the FDZ has developed transparent and standardised access regulations in compliance with current data protection regulations, it prepares, updates and validates data, documents comprehensively and in detail the data made available, and provides individual advice on data access, data handling and analysis options as well as on the range and validity of the data.

The FDZ micro datasets include (as of December 2008) the IAB Establishment Panel, the IAB Employment Samples (IABS), the BA Employment Panel (BAP), the Integrated Employment Biographies Sample (IEBS), the Establishment History Panel (BHP) and the Linked Employer-Employee Dataset from the IAB (LIAB). The latest additions to the available data, the cross-sectional survey “Living Situation and Social Security” (LSS2005) and the first wave of the panel study “Labour Market and Social Security” (PASS), are the first datasets from the sphere of the German Social Code Book II. The latest wave of the PASS will be made available promptly. Process-generated data from the sphere of the Social Code Book II will follow in 2009 and 2010. These datasets are of international significance for employment research because of the wide range of variables and large number of cases included.

The existing data supply is constantly being updated and expanded to include new datasets, existing data variables are adjusted and new variables added.

With its Internet presence (<http://fdz.iab.de>), the documentation and working tools available online such as the FDZ Datenreport² or the FDZ Methodenreport³ (see also Appendix 1) as well as its workshops and users’ conferences, the FDZ makes it easier for external researchers to work with the datasets. In December 2008, the FDZ organised its third users’ conference, where users presented the results of the research they had conducted using data provided by the FDZ. Over 80 scientists were involved in the conference with a total of 29 lectures and eight posters on selected research projects. The focus of the conference was on the mutual exchange of experiences made with the FDZ data. For the first time the conference was held in English, as foreign users - such as Raymundo M. Campos Vazquez (University of California,

² Five data reports (FDZ Datenreport) were published in 2008.

Berkeley) and Damian Raess (Massachusetts Institute of Technology) – also presented their results.

2. Basic information

The establishment of the FDZ commenced in December 2003 since there was no systematic access to social data up until this point. Following a positive evaluation by the German Council for Social and Economic Data in April 2006, the FDZ was permanently established as an independent research data centre of the BA at the IAB. In 2007 the German Council of Science and Humanities gave a positive evaluation of the FDZ.

The FDZ has basic financing for a Head (exempt from collectively agreed terms), five positions for (senior) researchers, three for non-academic staff, and student assistants (73 hours per week) (see Table 1). Three of the research positions are currently occupied by employees with temporary contracts. In addition to the five positions for (senior) researchers, at the end of 2008 the FDZ also has a part-time doctoral post authorised, a part-time (0.5) position as compensation for the equal opportunities officer of the IAB, plus two graduate posts. All employees of the FDZ are currently classified according to the German Social Code Book III.

Another 3.64 positions at the FDZ are occupied through externally funded projects (as of December 2008). A further 2.25 externally funded positions are for work directly with project partners where the FDZ was a co-applicant (see also Chapter 5. “Research at the FDZ”).

Table 1: FDZ team members (as of December 2008)

| Surname, name | Key activities | Funding | Full-time equivalent |
|------------------------|---|---------------------------|----------------------|
| Bender, Stefan | Head | Basic | 1 |
| Drews, Nils | IAB Employment Samples (IABS) | Basic | 1 |
| Hartmann, Benedikt | Remote data access, support of workstations for on-site use, user database | Basic | 1 |
| Herrlinger, Dagmar | Event management, Internet, organisation | Basic | 1 |
| Hethy, Tanja | Establishment History Panel (BHP), combined firm data for Germany (KombiFiD) | Third-party | 1 |
| Hochfellner, Daniela | IAB Establishment Panel | Basic | 0.5 |
| Huber, Martina | IAB Establishment Panel, further training as a part of lifelong learning (WeLL), FAWE Panel | Third-party | 1 |
| Jacobebbinghaus, Peter | Linked Employer-Employee Dataset from the IAB (LIAB) | Basic | 1 |
| Mosthaf, Alexander | Graduate scheme, Labour Market and Social Security (PASS) | Grad. scheme, third-party | 0.25 |
| Müller, Dana | IAB Establishment Panel, metadata, equal opportunities officer | Basic | 1 |
| Oberschachtsiek, Dirk | Integrated Employment Biographies Sample (IEBS) | Basic | 1 |

³ Eight methodology reports (FDZ Methodenreport) were published in 2008, also including contributions from external researchers.

| Surname, name | Key activities | Funding | Full-time equivalent |
|----------------------|---|---------------------------|----------------------|
| Schmucker, Alexandra | IAB Establishment Panel, BA Employment Panel (BAP), further training as a part of life-long learning (WeLL), Internet | Basic | 1 |
| Scioch, Patrycja | Graduate scheme (GradAB), combined firm data for Germany (KombiFiD) | Grad. scheme, third-party | 0.39 |
| Seth, Stefan | Data preparation, support of workstations for on-site use | Basic | 1 |
| Spengler, Anja | Establishment History Panel (BHP), combined firm data for Germany (KombiFiD) | Third-party | 1 |

The FDZ is currently equipped with 24 workstations. In the summer of 2008 the room for guest researchers, which is equipped with four workstations, was supplemented by another small room for guest researchers with one workstation. This serves as an alternative room for guest researchers who are spending a longer period at the FDZ or for several guest researchers who wish to work together on one project. The FDZ endeavours to have no more than three of the workstations in the guest room occupied at any time. However, in 2008 there were times when all five workstations were occupied (see Table 2).

Table 2: Booking schedule for guest researcher workstations in 2008

| Wk | Date | On-site use workstation 1 | | | | | On-site use workstation 2 | | | | | On-site use workstation 3 | | | | | On-site use workstation 4 | | | | | On-site workstation 5 ("Reserve") | | | | | |
|----|------------|---------------------------|----|----|----|----|---------------------------|----|----|----|----|---------------------------|----|----|----|----|---------------------------|----|----|----|----|-----------------------------------|----|----|----|----|--|
| | | Mo | Tu | We | Th | Fr | Mo | Tu | We | Th | Fr | Mo | Tu | We | Th | Fr | Mo | Tu | We | Th | Fr | Mo | Tu | We | Th | Fr | |
| 1 | 31.12.2007 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 07.01.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 14.01.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 21.01.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 28.01.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 04.02.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 11.02.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 18.02.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 25.02.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 03.03.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 10.03.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 17.03.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 24.03.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 31.03.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 07.04.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 14.04.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 21.04.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 28.04.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 05.05.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 12.05.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 19.05.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 26.05.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 02.06.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 09.06.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 16.06.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 23.06.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 30.06.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 07.07.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 14.07.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 21.07.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 28.07.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | 04.08.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 11.08.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | 18.08.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 25.08.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | 01.09.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | 08.09.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | 15.09.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 22.09.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 29.09.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 06.10.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | 13.10.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 20.10.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | 27.10.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 03.11.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | 10.11.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 17.11.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 24.11.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 01.12.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 08.12.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 15.12.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 22.12.2008 | | | | | | | | | | | | | | | | | | | | | | | | | | |

PC not occupied
 PC occupied by guest researcher
 On-site use not possible due to holidays, internal activities or maintenance

The exchange of the server in December 2007 was essential. Nonetheless at the end of 2008 the servers (a Windows server with four dual-core processors and a 32 GB memory, and a Unix server with a 16 GB memory) are once again operating at full capacity, so two more servers have been ordered for 2009.

3. The service-oriented FDZ

A large amount of data prepared and made available by the FDZ over the past few years was updated in 2007 (see Table 3). The survey “Living Situation and Social Security” (LSS2005) and the panel study “Labour Market and Social Security” were included in the data supply for the first time. The preparation of the data is, of course, accompanied by updates of the relevant FDZ Datenreports. In 2008, too, FDZ employees presented the FDZ data supply in numerous presentations in Germany and abroad (see Appendix 2).

Table 3: Development of datasets and documentation available from the FDZ in 2008

| | |
|---|--|
| IAB Establishment Panel | <ul style="list-style-type: none"> – Preparation of the 2007 wave – Development of the test data – Translation of the questionnaires for the 1999 to 2007 waves into English |
| IAB Employment Samples (IABS) | <ul style="list-style-type: none"> – Update of the regional file to the year 2004 – Revision of documentation (FDZ Datenreport No. 2/2008) |
| Linked Employer-Employee Dataset from the IAB (LIAB) | <ul style="list-style-type: none"> – Update of all LIAB datasets (QM1, LM1 - LM3) to the year 2006 – Incorporation of all observations from the IAB Establishment Panel into each version of the LIAB – Revision of the LIAB Data Handbook (FDZ Datenreport No. 3/2008) |
| Cross-sectional survey “Living Situation and Social Security” (LSS2005) | <ul style="list-style-type: none"> – Preparation of the data – Documentation (FDZ Datenreport No. 4/2008) |
| Panel study “Labour Market and Social Security” (PASS) | <ul style="list-style-type: none"> – Preparation of the first wave – Documentation of the first wave (FDZ Datenreport No. 5/2008) |
| BA Employment Panel | <ul style="list-style-type: none"> – Update of the SUF and the weakly anonymous version to the year 2006 – Revision of documentation (FDZ Datenreport No. 1/2008) |

3.1. Key figures

There are numerous figures that substantiate the increasing importance of the FDZ. The activities of the FDZ are documented in a special database.

Before the FDZ data can be used for the first time, a request to use the data has to be submitted, including a project description. Following approval by the Federal Ministry for Labour and Social Affairs, a data use agreement is concluded between the scientist and the IAB. Table 4 shows the number of approvals according to dataset and data access in the period 2005-2008. The number of projects also continued to increase, from 116 (in 2007) to 145 (in 2008). It should also be noted that the projects generally last over a year and thus projects from 2005 and 2006 were also continued in 2007. The three datasets in highest demand are the IAB Establishment Panel (with consistently high figures), the IAB Employment Samples – with

research visits also playing a role here – and the LIAB (with a large increase in the number of data use agreements over the years). What is also remarkable is the already high demand for the first wave of the PASS, which was only made available in mid-2008. This suggests that the PASS is to become another key dataset of the FDZ.

Table 4: Number of new project/contract approvals according to dataset and data access

| Dataset | Data access | 2005 | 2006 | 2007 | 2008 | Σ 2005 - 2008 |
|----------------|---|------|------|------|------|----------------------|
| not classified | | 0 | 0 | 2 | 4 | 6 |
| BAP | Remote data access | 1 | 3 | 9 | 6 | 19 |
| BAP | On-site use | 0 | 1 | 1 | 0 | 2 |
| BAP | Scientific use file | 8 | 0 | 4 | 4 | 16 |
| IABB | Remote data access | 29 | 36 | 35 | 42 | 142 |
| IABB | On-site use | 2 | 8 | 7 | 12 | 29 |
| BHP | On-site use | 0 | 2 | 7 | 7 | 16 |
| IABS | On-site use (possibly followed by remote data access) | 1 | 7 | 8 | 8 | 24 |
| IABS | Scientific use file | 31 | 26 | 19 | 17 | 93 |
| IEBS | On-site use | 0 | 3 | 3 | 2 | 8 |
| IEBS | Scientific use file | 0 | 0 | 0 | 4 | 4 |
| LIAB | On-site use (possibly followed by remote data access) | 9 | 14 | 21 | 27 | 71 |
| LSS | Scientific use file | 0 | 0 | 0 | 3 | 3 |
| PASS | Scientific use file | 0 | 0 | 0 | 9 | 9 |
| Σ | | 81 | 100 | 116 | 145 | 442 |

At the suggestion of the German Council for Social and Economic Data (Rat für Sozial- und Wirtschaftsdaten - RatSWD), an Internet survey of all projects was conducted in late 2008 in order to determine how many externally funded projects use the FDZ data. The survey was necessary as the FDZ had not incorporated this information into its user database. The majority of our users kindly answered these questions very quickly.

All projects in which at least one person was funded by a third party are counted as externally funded projects. It can happen that several institutes are involved in one project and that these institutes used more than one dataset and/or more than one data access. These projects are only counted once.

Almost half of all the projects involved in the survey (162 out of 353) are externally funded projects (see Table 5). This is an astonishingly large proportion. As this indicator is to continue to be reported in the coming years, the FDZ is altering its user database and the application forms. This means that user surveys will become unnecessary in this respect in the long run.

Table 5: Number of new externally funded projects⁴

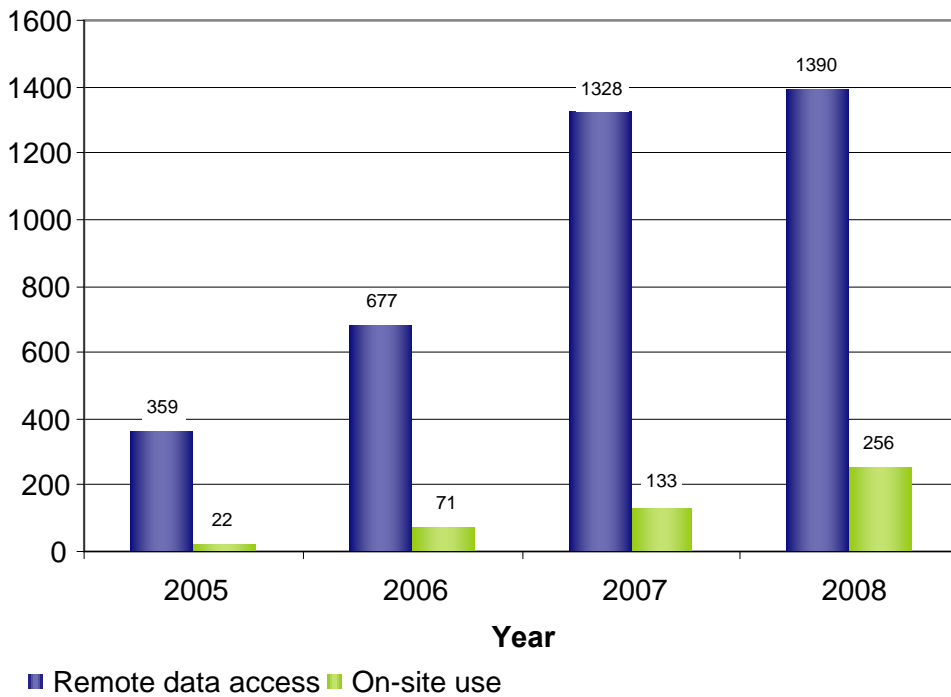
| Year of project start ¹ | Σ | External funding ^{2 3} | | |
|------------------------------------|------------|---------------------------------|------------|------------|
| | | yes | no | no details |
| 2004 | 41 | 19 | 20 | 2 |
| 2005 | 70 | 33 | 28 | 9 |
| 2006 | 87 | 31 | 44 | 12 |
| 2007 | 106 | 40 | 50 | 16 |
| 2008 | 108 | 39 | 49 | 20 |
| Σ | 412 | 162 | 191 | 59 |

- 1 All of the projects which were applied for in the respective year are counted.
- 2 All projects in which at least one person was funded by a third party are counted as externally funded projects.
- 3 It can happen that several institutes are involved in one project, several datasets and/or several cases of data access are used. These projects are counted only once.

Two other very important parameters are the number of cases of remote data access – here scientists send evaluation programmes to the FDZ – and the number of research visits to the FDZ for on-site use, most of which last several days (see Chart 1). The number of cases of remote data access remained at the same high level as in 2007, increasing only slightly from 1,328 to 1,390. The number of research visits for on-site use doubled once again (from 133 in 2007 to 258 in 2008).

⁴ Missing values are possible due to projects not being classified (difference to Table 4).

Chart 1: Development of remote data access and on-site use at the FDZ



These figures may be broken down into figures for the individual datasets (see Table 6). Here it can be seen that the LIAB is the FDZ dataset in highest demand. However, unlike the other datasets, it was not used as frequently in 2008 as in 2007. The datasets which have gained considerably in importance are the IAB Establishment Panel and the IAB Employment Samples, whose scientific use file continues to be in strong demand.

Table 6: Number of cases of remote data access by dataset

| | BAP | Estab- lishment panel | BHP | IABS | IEBS | LIAB | not indicated | Total |
|--------------|------------|-----------------------------|------------|------------|------------|-------------|------------------|--------------|
| 2005 | 1 | 196 | | | 6 | 155 | 1 | 359 |
| 2006 | 13 | 257 | | 26 | 11 | 370 | | 677 |
| 2007 | 55 | 368 | 78 | 79 | 34 | 713 | 1 | 1328 |
| 2008 | 65 | 431 | 79 | 173 | 51 | 591 | | 1390 |
| Total | 134 | 1252 | 157 | 278 | 102 | 1829 | 2 | 3754 |

As far as research visits are concerned, it can be seen that the increasing number of visits is accompanied by an increasing number of guest researchers (see Table 7). The number of

guest researchers increased significantly from 2007 to 2008 (from 39 to 62 guests). The average duration fell for the first time to two days. However, the dispersion of the duration of visits did not change compared with 2007. In 2008, too, the FDZ had many visiting researchers with very short stays from the University of Erlangen-Nuremberg and some foreign guest researchers with longer stays, some lasting over a month.

Table 7: Statistics for on-site use at the FDZ

| | Number of visits* | Number of guest researchers | Average duration of visit (in days) |
|--------------|-------------------|-----------------------------|-------------------------------------|
| 2005 | 22 | 13 | 3 |
| 2006 | 71 | 33 | 3 |
| 2007 | 133 | 39 | 3 |
| 2008 | 256 | 62 | 2 |
| Total | 482 | 147 | |

* On-site access possibly followed by remote data access

The average calculation times of programmes in remote data access are listed according to the relevant dataset in Table 8. It can be seen that the LIAB, which is the dataset with the greatest demand, has the longest average calculation time per evaluation at approximately 13.5 hours. The BAP, too, is used with programmes that take a long time (12.95 hours). Although the server capacity was quadrupled from 2007 to 2008, this did not bring about the expected reduction in the calculation times.

Table 8: Average calculation time of remote data access programmes (in min.)

| | BAP | Estab. panel | BHP | IABS | IEBS | LIAB |
|------|-----|--------------|-----|------|------|------|
| 2005 | 12 | 155 | | | | 723 |
| 2006 | 50 | 67 | | 678 | 81 | 1016 |
| 2007 | 29 | 136 | 88 | 685 | 435 | 821 |
| 2008 | 777 | 153 | 280 | 528 | 578 | 810 |

The wait for the results is mainly caused by the calculation time since the verification of the evaluations as regards compliance with data protection legislation is relatively fast (see Table 9). With the exception of the BHP all of the average verification times have decreased. This can also be put down to a learning effect among the users. Of course, there are some exceptions that require verification times lasting several days. Here it has proven worthwhile to contact users and restrict the amount of output.

Table 9: Average verification time for evaluations using remote data access (in min.)

| | BAP | Estab. panel | BHP | IABS | IEBS | LIAB |
|------|-----|--------------|-----|------|------|------|
| 2005 | 60 | 31 | | | | 21 |
| 2006 | 57 | 51 | | 21 | 15 | 24 |
| 2007 | 32 | 22 | 18 | 21 | 18 | 12 |
| 2008 | 13 | 20 | 31 | 8 | 10 | 11 |

However, these short verification times still lead to astonishingly high total numbers of hours of work, as is shown in Table 10. Overall, approximately 50 working days (based on 8-hour days) were required for the data protection compliance checks of evaluations using remote data access.

Table 10: Total time required for verification of evaluations using remote data access (in min.)

| | BAP | Estab. panel | BHP | IABS | IEBS | LIAB | Total |
|------|------|--------------|------|------|------|------|--------------|
| 2005 | 60 | 3348 | | | | 1440 | 4848 |
| 2006 | 690 | 13145 | | 535 | 165 | 8980 | 23515 |
| 2007 | 1771 | 8423 | 1448 | 1758 | 625 | 8966 | 22991 |
| 2008 | 912 | 9471 | 4272 | 1612 | 536 | 7301 | 24104 |

3.2. Publications

The FDZ is of the utmost importance to the scientific community. This is reflected in the publications produced using data from the FDZ. These publications are documented by the IAB service “Documentation and Library” in a literature database which is available on the Internet, and were evaluated for the FDZ by Jörg Paulsen (Dok)⁵. For the first time there is a genuine comparison of our users in this database, which means that the figures reported here are not comparable with the previous indicators (see Table 11). All in all the users of the FDZ have produced a total of 341 publications. 27 of these contributions were published in SSCI (Social Sciences Citation Index) journals and a further 42 in refereed journals. If it is taken into consideration that the 2008 publication year is not yet over and it can be assumed that some papers are still with the publishers of journals – the number of discussion papers serves as an indicator here – then there is no longer any question of Germany being an “empirical wasteland” as far as employment research is concerned.

⁵ We would like to thank Jörg Paulsen for putting our request, which was anything but trivial, into practice.

Table 11: Publications produced using FDZ data

| Reference date: 16.01.2009, years of publication 2004-2008, by type of literature | | | | | | | | |
|---|------|------------|------------------|----------------------------|-------------------|---|---------------|-----------------------------------|
| | Year | Total | 1. SSCI journals | 2. Other refereed journals | 3. Other journals | 4. Working papers/ discussion papers | 5. Monographs | 6. Articles in collected editions |
| At least one author in the table of FDZ users and no author belonging to the IAB in the year of publication | | | | | | | | |
| BA Employment Panel (BAP) | 2004 | 2 | | | | 1 | 1 | |
| BA Employment Panel (BAP) | 2005 | 6 | | | | | 5 | 1 |
| BA Employment Panel (BAP) | 2006 | 2 | | 1 | | | 1 | |
| BA Employment Panel (BAP) | 2007 | 4 | | | | 3 | 1 | |
| BA Employment Panel (BAP) | 2008 | 7 | | 2 | | 3 | 1 | 1 |
| IAB Employment Samples (IABS) | 2004 | 12 | 4 | 1 | | 2 | 3 | 2 |
| IAB Employment Samples (IABS) | 2005 | 22 | 3 | 1 | | 16 | 2 | |
| IAB Employment Samples (IABS) | 2006 | 26 | | 5 | 2 | 17 | 1 | 1 |
| IAB Employment Samples (IABS) | 2007 | 30 | 5 | 3 | | 16 | 6 | |
| IAB Employment Samples (IABS) | 2008 | 15 | | 1 | 3 | 8 | 2 | 1 |
| Establishment History Panel (BHP) | 2007 | 4 | | | | 3 | 1 | |
| Establishment History Panel (BHP) | 2008 | 3 | | 1 | | 2 | | |
| IAB Establishment Panel (IABB) | 2004 | 30 | 2 | 3 | 8 | 4 | 10 | 3 |
| IAB Establishment Panel (IABB) | 2005 | 25 | 2 | 3 | 1 | 6 | 12 | 1 |
| IAB Establishment Panel (IABB) | 2006 | 23 | 3 | 4 | 1 | 3 | 12 | |
| IAB Establishment Panel (IABB) | 2007 | 24 | 1 | 1 | | 3 | 19 | |
| IAB Establishment Panel (IABB) | 2008 | 26 | 3 | 4 | 2 | 5 | 12 | |
| Linked Employer-Employee Dataset from the IAB (LIAB) | 2004 | 2 | | | | 2 | | |
| Linked Employer-Employee Dataset from the IAB (LIAB) | 2005 | 5 | | | | 3 | 2 | |
| Linked Employer-Employee Dataset from the IAB (LIAB) | 2006 | 11 | | | 2 | 8 | 1 | |
| Linked Employer-Employee Dataset from the IAB (LIAB) | 2007 | 17 | | 4 | 1 | 10 | 1 | 1 |
| Linked Employer-Employee Dataset from the IAB (LIAB) | 2008 | 12 | 1 | 3 | | 8 | | |
| Integrated Employment Biographies Sample from the IAB (IEBS) | 2005 | 4 | | 1 | | 1 | 2 | |
| Integrated Employment Biographies Sample from the IAB (IEBS) | 2006 | 10 | 2 | 2 | 1 | 5 | | |
| Integrated Employment Biographies Sample from the IAB (IEBS) | 2007 | 14 | 1 | 1 | | 11 | 1 | |
| Integrated Employment Biographies Sample from the IAB (IEBS) | 2008 | 5 | | 1 | | 4 | | |
| Totals | | 341 | 27 | 42 | 21 | 144 | 96 | 11 |

3.3 User survey 2008

In the autumn of 2008 the FDZ conducted a user survey for the first time since the demand survey in 2005. The aim of this survey was to obtain from the users comprehensive and detailed feedback regarding the services provided by the FDZ. In addition, users' wishes concerning the data supply and other services were to be recorded.

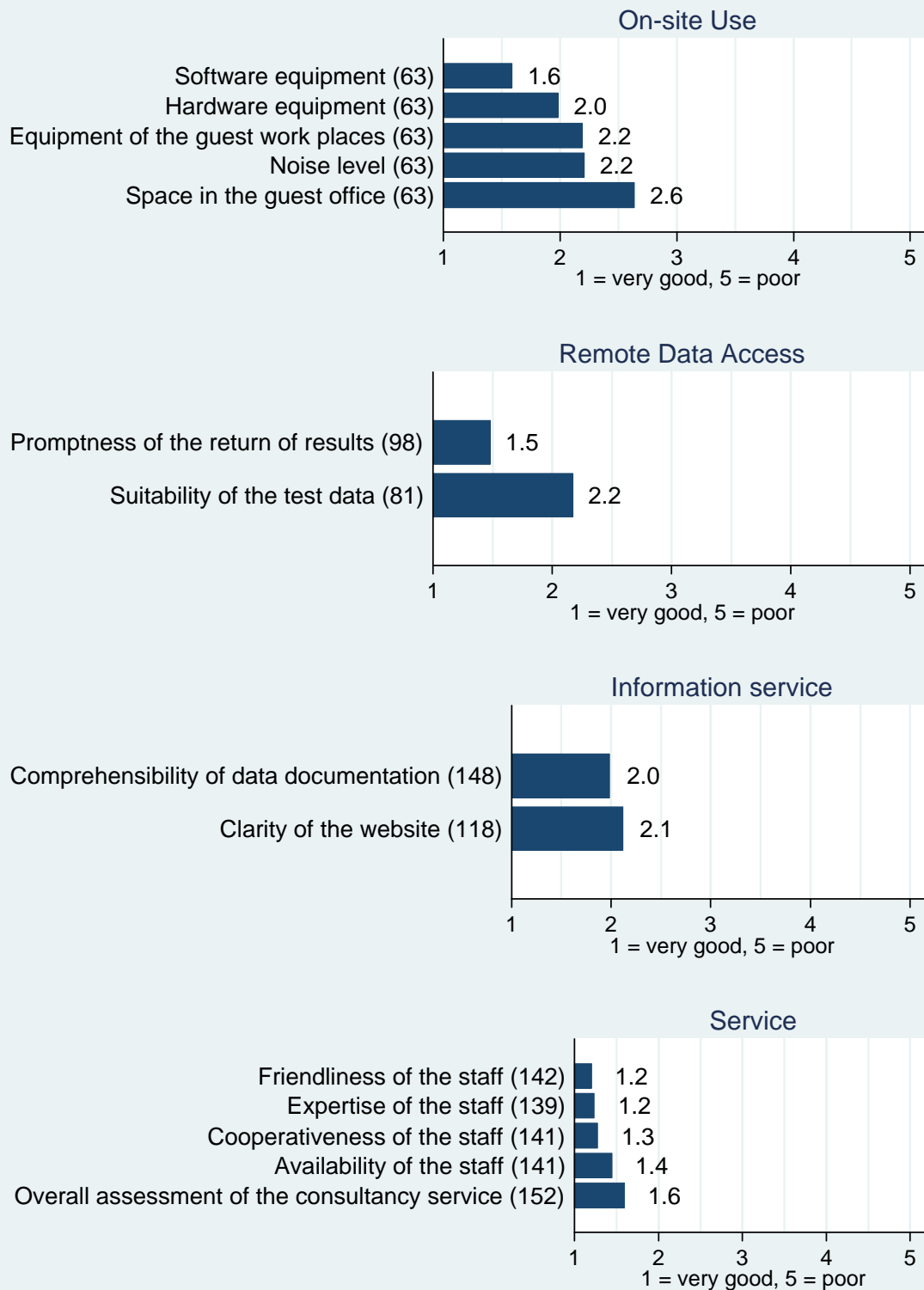
The survey was carried out as an online survey for which all of the people who had used the FDZ since it came into existence were to be contacted. Of these 569 individuals, 532 could still be contacted by email. Altogether we received 154 evaluable replies and therefore a response rate of 29%.

Chart 2 shows the mean values of the evaluations of individual FDZ services. Here the respondents were asked to assess the FDZ services on a scale between 1= "very good" and 5= "poor". It can be seen that the FDZ was given an overall value of 1.6. In particular the advisory services came off very well in areas such as friendliness, competence and availability. The poorest evaluations were those regarding on-site use. Although the mean values, at 2.2 and 2.6, are still in the middle of the scale in absolute terms, compared with the assessments of the other services they are clearly poorer than the rest of the evaluations. This result comes as no surprise in view of the lack of space in the room for guest researchers and the intensive occupancy of the workstations (see Table 2). In view of the extreme lack of space in the whole of the IAB, however, the FDZ is not in a position to improve this situation in the short run. Other points that were assessed less positively are the comprehensibility of the documentation and the clarity of the website. The FDZ is constantly working on both of these aspects. Thus in future the data documentation is to be done via a database of meta data and the homepage is to be given a better structure. In addition the last gaps in the English documentation are to be filled.

In addition to these standardised evaluations the survey included open questions where the respondents were able to comment on the restrictions that can occur in the analyses. If we summarise these replies then it is clear that most of them referred to restrictions regarding the set of available variables. However, these restrictions mainly concern socio-demographic variables and details regarding the household context, which are not included in process-generated data. The respondents often experienced other restrictions resulting from the data protection measures (generation of factually anonymous data, verification that the outputs comply with data protection legislation). Some of the respondents also criticised the samples as being too small.

Chart 2: Results of the 2008 FDZ user survey to evaluate the services provided

Evaluation of the FDZ (Means)

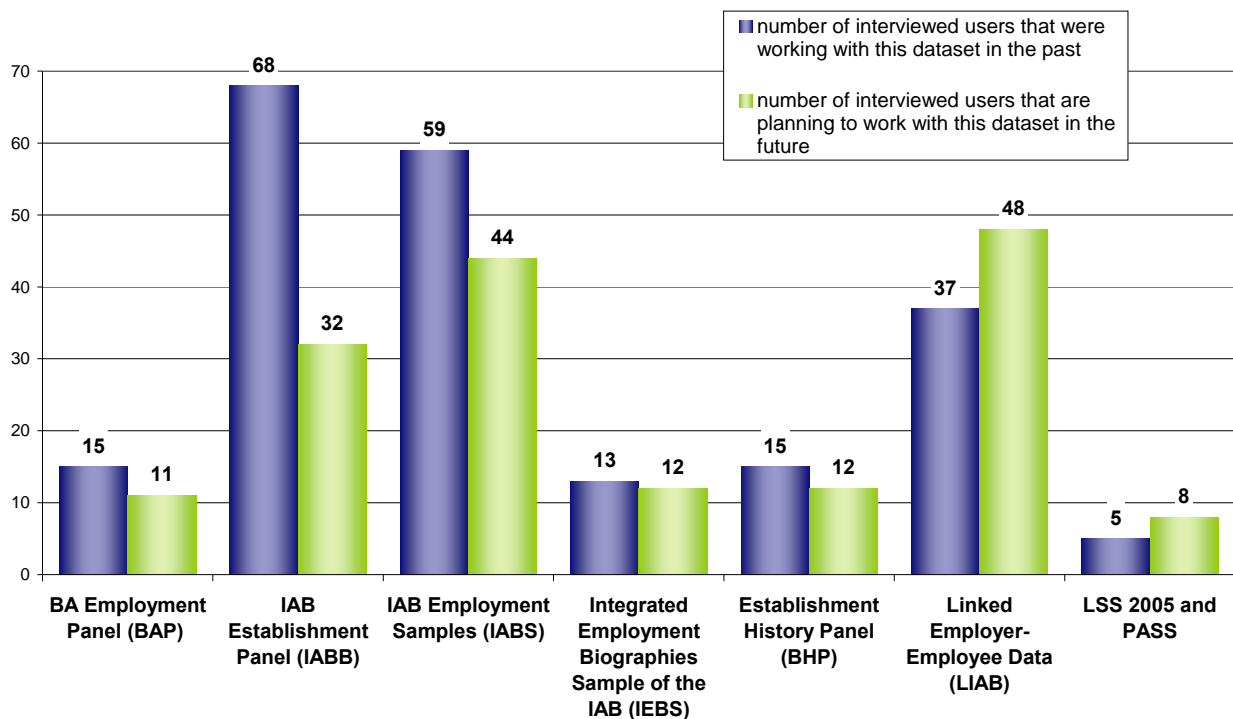


() number of obs

Chart 3 shows clearly which datasets the respondents have used so far and which ones they wish to use in the future. A total of 144 of the 154 respondents had already worked with data from the FDZ and had so far mainly used the IAB Establishment Panel, the IAB Employment Samples and the LIAB. These three datasets are also reported most frequently for future use. Here 104 respondents said that they would either be continuing work on an existing project and/or wished to use the FDZ data for a new project. Most of them also knew definitely which dataset they would require. Only 10 people did not yet know precisely which data they were going to use. These results indicate that a large number of the people who have used the data from the FDZ up to now will remain with us in the future too.

In addition the 104 participants who wish to work with the FDZ data in future were asked which statistics software they would like to use to analyse the data. 92 named “Stata”, 16 “SPSS” and a further 17 wished to use other programmes. Of these, the most common replies were “R” (6 cases), “TSP” (5 cases) and “Matlab” (4 cases). In this respect the FDZ has already responded, with all three programmes now available at the FDZ. In addition “GAUSS” is to be procured shortly.

Chart 3: Results of the 2008 FDZ user survey regarding data use (multiple answers possible)



4. The international FDZ

The reasons why the FDZ serves not only the national but also the international market are manifold:

- Research thrives on exchange. The perspective of the German research community is often rather narrow. Many interesting new research approaches originate in the US, for example. The internationalisation of the FDZ means that foreign researchers now also use BA/IAB data, allowing an exchange of experiences at international level, including about the content of the research that is only possible on the basis of data supplied by the FDZ.
- Against the background of globalisation, increasing importance is attached to international comparative analyses. However, only countries that make their data accessible to other countries can be included. Hence, only these countries can learn from the results of comparative analyses.
- German-speaking users of FDZ data often publish in English. With our translation of data-related terms, we have set an example, thus helping to avoid misunderstandings.
- The FDZ has been increasingly noticed by institutions abroad (e.g. the EU, Eurostat, the US Census Bureau, Statistics Canada) over the past few months and seen positively as a producer of high-quality data.

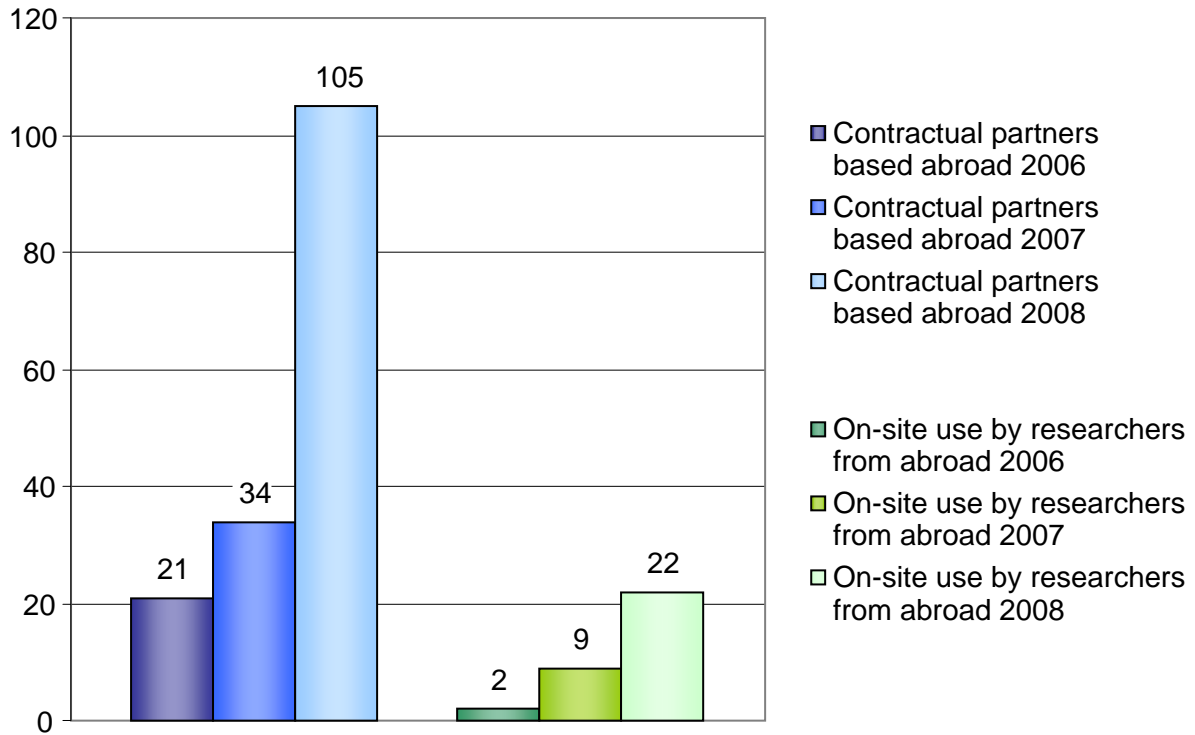
The range of work carried out is expanding due to the internationalisation of the FDZ. Two of the growing tasks are the translation of documentation and the website, and dealing with enquiries in other languages or visits by guest researchers who are not German speakers.

One important step towards internationalisation in 2007 was releasing web pages in English and having some of the data documentation translated. In 2008 a great deal more documents were translated, so now as much of the documentation as possible is available in both German and English. Since May 2007, the FDZ Newsletter has been sent out in English only. Great emphasis is placed on the quality of the translations, since errors can arise through non-authorised translations, which can then have a negative effect on the work of the FDZ.

The use of the FDZ by researchers from abroad has increased.⁶ In 2007, the FDZ had 34 contractual partners based abroad and nine visits by guest researchers.

In 2008 the number of contractual partners based abroad shot up to 105. The number of visits by guest researchers from abroad rose to 22 (see Chart 4).

⁶ The categorisation of researchers from abroad refers to their place of work, not to their nationality.

Chart 4: Contractual partners based abroad and on-site use by researchers from abroad from 2006 to 2008

The increase in the number of guest researchers from abroad is a result of the availability of translations and the fact that the FDZ data are becoming more well-known. It should also be noted that guest researchers from abroad can access FDZ data relatively easily. It is generally no more difficult for them than for researchers from Germany. One exception, however, is visits to the FDZ as a guest researcher since they involve higher travelling expenses among other things. For this reason in 2007 the FDZ set up a grant to assist researchers from abroad with the expenses required for a stay in Nuremberg. When a request is approved, the FDZ grants partial funding of the travel and/or accommodation expenses for guests from non-German-speaking countries. In 2008, seven guests made use of this service. The establishment of this grant was evaluated positively by the German Council of Science and Humanities in its report.

The FDZ is networking more with research data centres in other countries. This ensures that new innovative developments can also be applied more quickly in the FDZ. These include, for example, the anonymisation of datasets by means of multiple imputation, setting up a database of meta data in line with international standards or the further development of remote data access into real data access from remote workstations. The third workshop, "Confidentiality and Disclosure – SDC for Microdata", which was organised jointly with the Centre for Statistical

Methods at the IAB⁷, served the international exchange of experience. With John Abowd (Cornell University), Chris Skinner (University of Southampton), Bill Winkler (U.S. Census Bureau) and Josep Domingo Ferrer (Rovira i Virgili University, Catalonia) leading scientists in the field of data security and anonymisation discussed methodological aspects and new procedures to make microdata anonymous. Information about the workshop can be found under http://fdz.iab.de/en/FDZ_Events/SDC-Workshop.aspx.

The FDZ participates in the EU initiative “ESSNet-SDC - A Network of Excellence in the European Statistical System in the Field of Statistical Disclosure Control”, which has the objective of devising data protection and data security measures for micro data and tables. Most of the participants in the project are statistical offices from other European countries (for instance, the UK, Italy, the Netherlands and Spain). This project is funded by the EU.

In the context of the EU initiative “Comparative Analysis of Enterprise Data: Industry Dynamics, Firm Performance, and Worker Outcomes” (Action IS0701) the FDZ participated in the organisation of the eighth Comparative Analysis of Enterprise Data (CAED) in Budapest. The CAED is one of the key international events at which linked employer-employee data, administrative data and survey data about firms are presented. The topics discussed included reallocation, productivity, IT, innovation, labour market, linked employer-employee datasets and data access. Information about the CAED can be found under <http://www.upjohn.org/caed/>.

The internationalisation of the FDZ is resulting in better research and better policy advice. An increase not only in the number but also in the quality of lectures at international conferences on the basis of the BA/IAB data may be observed. Moreover, IAB and FDZ employees have gained international recognition. Overall, the internationalisation of the FDZ has led to a stronger and positive image of BA and IAB data abroad. The “brand” of BA/ IAB data is viewed positively internationally and is (almost) on a par with the positive image of the German Socio-Economic Panel Study (SOEP).

⁷ We would like to thank Jörg Drechsler (Statistical Methods Centre (KEM) of the IAB) for organising the contents of the workshop.

5. Research at the FDZ

The FDZ is primarily a service-oriented institution. For the quality of the data supply and the advisory service it is crucial, however, for FDZ employees also to conduct empirical research themselves. Actually dealing with the content and evaluation options of the datasets is what provides them with the sound knowledge which is required to give advice to users and which forms the basis of the FDZ's reputation.

The FDZ's research activities are well documented through its publication record. In 2008 FDZ employees published 23 research articles. These include one publication and an editorship in top scientific journals listed in the Social Sciences Citation Index (SSCI) and four publications in refereed journals. The "Conference on the Analysis of Films and Employees (CAFÉ 2006)", which was held by the FDZ in 2006, was documented both in a special edition of Labour Economics and in a refereed NBER book which was published in 2008 (see Appendix 3). This picture is completed by numerous lectures held in Germany and abroad about the research activities conducted at the FZD (see Appendix 4).

In addition, the FDZ is involved in a number of externally funded projects, co-financed by the German Research Foundation (DFG), the Federal Ministry of Education and Research (BMBF) or the Leibniz Association and carried out in cooperation with universities, research institutes or the Federal Statistical Office. Each of these externally funded projects also included funding for staff (see Table 12 and also Table 1).

One of these externally funded projects is **Further Training as a Part of Lifelong Learning (WeLL)**. As part of WeLL, further vocational training in Germany is examined along with the process of radical demographic transformations, rapid technological change and the associated relevance of lifelong learning. The project, co-financed by the Leibniz Association and conducted by the IAB in cooperation with the Rheinisch-Westfälisches Institut für Wirtschaftsforschung e.V (RWI Essen), the Institute for Applied Social Sciences (infas) and the German Institute for Adult Education (DIE), is divided into a company survey and an employee panel survey. In 2008 the second wave of the employee survey was conducted.

In the project **Economic Statistics Panel Data and Factual Anonymisation (FAWE Panel)**, the goal is to make considerable improvements in scientists' access to panel data from official statistical offices and the Federal Employment Agency (BA). Together with the research data centres of the Federal Statistical Office and the regional statistical offices and the Institute for Applied Economic Research (IAW), the objective is to

- expand the data supply for scientists in the field of individual economic statistics by including longitudinal links,
 - optimise the analysis potential of economic statistics panel data
-

- and research the possibility of factual anonymisation of panel data in the field of economic statistics with the aim of also making these available as scientific use files.

In cooperation with Jörg Drechsler, who works in the IAB's Centre for Statistical Methods with funding from this project, a scientific use file of the 2007 wave of the Establishment Panel is to be made available in the first half of 2009.

September 2007 marked the launch of the project **Combined Firm Data for Germany (KombiFiD)**. The aim of this project is to link for the first time company data from the statistical offices, the German Bundesbank and the BA/IAB. The project will run for three years in cooperation with the research data centre of the Federal Statistical Office and the Department for Empirical Economic Research of Leuphana University of Lüneburg. On receipt of a written agreement from the companies, their data will be merged. Following a few imponderabilities, the objective is now to make data from the FDZ of the BA and the research data centre of the Federal Statistical Office available to scientists for research purposes in late 2009. Another goal of the project is to create a legal framework for permanent linkage of the individual data. The "KombiFiD" project is pioneering and makes it possible to study economic processes in more detail and more thoroughly than was the case with the data material previously available. The project is funded by the Federal Ministry of Education and Research (BMBF).

The FDZ is involved in two projects financed by the German Research Foundation (DFG):

1. The project **Discrepancies between Market and Firm Wages: An Analysis of Earnings and Worker Mobility (P19)**, which is part of the priority programme of the German Research Foundation **Flexibility in Heterogeneous Labour Markets** – in cooperation with the RWI Essen and Columbia University.
 2. The project **Analysis of Survey Nonresponse in the German Labor Force using Individual Administrative Data**, which is part of the priority programme of the German Research Foundation **Survey Methodology** – in cooperation with the University of Duisburg-Essen.
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Table 12: Externally funded positions at the FDZ or in projects involving the FDZ (not including student assistants)

| Externally funded project | Position | Organisation / department holding the position |
|--|----------|--|
| FAWE | 1 | KEM (Centre for Statistical Methods of the BA at the IAB) |
| FAWE | 0.3 | FDZ |
| KombiFiD | 2.39 | FDZ |
| WeLL | 0.7 | FDZ |
| DFG-Flex (Flexibility in Heterogeneous Labour Markets - Research Network of the German Research Founda- tion (DFG)) | 0.5 | RWI |
| DFG survey | 2*0.5 | Both at the University of Duisburg-Essen, with 0.5 (0.25 since Nov. 2008) allocated to the FDZ. |

Appendix 1: FDZ Datenreport and Methodenreport Series 2008

FDZ Datenreport series 2008

- Codebook and documentation of the panel study 'Labour Market and Social Security' (PASS), vol. 1: Introduction and overview, wave 1 (2006/2007), FDZ Datenreport 05/2008 (en) (Christoph, Bernhard; Müller, Gerrit; Gebhardt, Daniel; Wenzig, Claudia; Trappmann, Mark; Achatz, Juliane; Tisch, Anita; Gayer, Christine)
- Codebuch und Dokumentation des 'Panel Arbeitsmarkt und soziale Sicherung' (PASS), Welle 1 (2006/2007), FDZ Datenreport 05/2008 (de) (Christoph, Bernhard; Müller, Gerrit; Gebhardt, Daniel; Wenzig, Claudia; Trappmann, Mark; Achatz, Juliane; Tisch, Anita; Gayer, Christine)
- Lebenssituation und Soziale Sicherung 2005 (LSS 2005), IAB-Querschnittsbefragung SGB II. Handbuch-Version 1.0.0, [*Living Situation and Social Security 2005 (LSS 2005), IAB Cross-Sectional Survey Social Code Book II. Handbook Version 1.0.0*], FDZ Datenreport 04/2008 (de) (Meßmann, Susanne; Bender, Stefan; Rudolph, Helmut; Hirseland, Andreas; Bruckmeier, Kerstin; Wübbecke, Christina; Dundler, Agnes; Städele, Daniela; Schels, Brigitte)
- LIAB-Datenhandbuch, Version 3.0, [*LIAB Data Handbook, Version 3.0*], FDZ Datenreport 03/2008 (de) (Jacobebbinghaus, Peter)
- Das Regionalfiler der IAB-Beschäftigtenstichprobe 1975-2004, Handbuch-Version 1.0.2, [*The Regional File of the IAB Employment Samples 1975-2004, Handbook Version 1.0.2*], FDZ Datenreport 02/2008 (de) (Drews, Nils)
- BA-Beschäftigtenpanel 1998-2006, Codebuch und Anlageband, [*BA Employment Panel 1998-2006, Appendix to the Codebook*], FDZ Datenreport 01/2008 (de) (Schmucker, Alexandra; Seth, Stefan)

FDZ Methodenreport series 2008

- Datengenerierung zweier Datenkonzepte, MTG (Maßnahme-Teilnahme-Grunddatei) und ISAAK (Instrumente Aktiver Arbeitsmarktpolitik). Eine Betrachtung ausgewählter Fälle am Beispiel der Förderung im Rahmen des ESF-BA-Programms, [*Data Generation of Two Data Concepts, MTG (Participants-in-Measures History File) and ISAAK (Instruments of Active Labour Market Policy). An Examination of Selected Cases Based on the Example of the Support in the Context of the ESF-BA Scheme*], FDZ Methodenreport 08/2008 (Engelhardt, Astrid; Oberschachtsiek, Dirk; Scioch, Patrycja)
 - IAB-Haushaltspanel im Niedrigeinkommensbereich, Methoden- und Feldbericht, [*IAB Household Panel in the Low-Wage Sector, Methods and Field Report*], FDZ Methodenreport 07/2008 (Hartmann, Josef; Brink, Kathrin; Jäckle, Robert; Tschersich, Niko)
 - Bounds analysis of competing risks a nonparametric evaluation of the effect of unemployment benefits on migration in Germany (Revised version of the FDZ Methodenbericht No. 04/2007), FDZ Methodenreport 06/2008 (en) (Arntz, Melanie; Lo, Simon M. S.; Wilke, Ralf A.)
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- WeLL - Berufliche Weiterbildung als Bestandteil lebenslangen Lernens, Projektbericht, [*WeLL – Further Training as a Part of Lifelong Learning, Project Report*], FDZ Methodenreport 05/2008 (de) (Bender, Stefan; Fertig, Michael; Görlitz, Katja; Huber, Martina; Hummelsheim, Stefan; Knerr, Petra; Schmucker, Alexandra; Schröder, Helmut)
 - Further training for the unemployed * what can we learn about dropouts from administrative data? FDZ Methodenreport 04/2008 (en) (Waller, Marie)
 - Does the IABS reliably identify maternity leave taking? FDZ Methodenreport 03/2008 (en) (Schönberg, Uta)
 - FDZ annual report 2007, FDZ Methodenreport 02/2008 (en) (Bender, Stefan; Hartmann, Benedikt; Herrlinger, Dagmar)
 - FDZ-Jahresbericht 2007, FDZ Methodenreport 02/2008 (de) (Bender, Stefan; Hartmann, Benedikt; Herrlinger, Dagmar)
 - The IAB establishment panel from sample to survey to projection, FDZ Methodenreport 01/2008 (en) (Fischer, Gabriele; Janik, Florian; Müller, Dana; Schmucker, Alexandra)
 - Das IAB-Betriebspanel - von der Stichprobe über die Erhebung bis zur Hochrechnung, FDZ Methodenreport 01/2008 (de) (Fischer, Gabriele; Janik, Florian; Müller, Dana; Schmucker, Alexandra)
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Appendix 2: Presentations held in 2008

| Lecturer | Title |
|-----------------|--|
| Bender, Stefan | "Die Prozessdaten des IAB", at: "LASER Empirisch", IAB, Nuremberg, 12.02.08. |
| Bender, Stefan | "COST European Concerted Research Action: 'Comparative analysis of enterprise data: industry dynamics, firm performance, and worker outcomes'", at: "Catching the butterfliesWORKS expert workshop on innovative methodologies for measuring employment effects of value chain restructuring", Higher Institute of Labour Studies (HIVA) of the Katholieke Universiteit Leuven, with core funding from the 6th Framework Programme of the European Community, Thematic Priority 7, Citizens and governance in a knowledge-based society, Leuven, 14.03.08. |
| Bender, Stefan | "Einführung in das Arbeiten mit den Personendaten der BA und des IAB", at: "Workshop zur Einführung in das Arbeiten mit den Personendaten der BA und des IAB", Research Data Centre of the Federal Employment Agency at the Institute for Employment Research, Nuremberg, 26.03.08. |
| Bender, Stefan | "Imputation als Mittel zur Anonymisierung von Betriebsdaten", at: "Treffen der Mitarbeiter der FDZ der Statistischen Ämter des Bundes und der Länder", Research Data Centre of the Federal Statistical Office, Wiesbaden, 10.04.08. |
| Bender, Stefan | "Leitung einer Session und Diskussion von zwei Vorträgen: 1. Earnings Losses of Older Displaced Workers: A Detailed Analysis with Administrative Data 2. Going Behind the Gender Wage Gap: Are Women Less Educated or Are they in Worse Firms?", at: "Population Association of America (PAA) 2008 Annual Meeting", Office of Population Research at Princeton University, New Orleans, 17.04.08. |
| Bender, Stefan | "Leitung und Organisation der Session "Arbeitsmarkt und Globalisierung"", at: "Außenwirtschaft in Zeiten der Globalisierung", Federal Statistical Office, German Council for Social and Economic Data and the German Bundesbank, Wiesbaden, 22.04.08. |
| Bender, Stefan | "Providing Access to Business Microdata: The International Experience", at: "8th International Research Conference on Comparative Analysis of Enterprise Data CAED 2008", Central European University and Upjohn Institute for Employment Research, Budapest, 23.05.08. |
| Bender, Stefan | "A New Approach for Disclosure Control in the IAB Establishment Panel - Multiple Imputation for a Better Data Access", at: "ESSNet-Treffen", Federal Statistical Office, Wiesbaden, 05.06.08. |
| Bender, Stefan | "Providing Access to Business Microdata: The International Experience", at: "Joint Statistical Meeting", American Statistical Association, International Biometric Society, Institute of Mathematical Statistics, and the Statistical Society of Canada, Denver, 05.08.08. |
| Bender, Stefan | "Providing Access to Microdata: The German Experience and the RDC of the BA in the IAB", at: University of Michigan, Ann Arbor, 09.09.08. |
| Bender, Stefan | "Metadata in the IAB and FDZ", at: "Workshop on international documentation in Winnepeg", Canada Research Data Centre Network, Winnipeg, 11.09.08. |
| Drechsler, Jörg | "Comparing Fully and Partially Synthetic Datasets for Statistical Disclosure Control in the German IAB Establishment Panel", at: "European Conference on Quality in Official Statistics 2008", ISTAT, Rome, 10.07.08. |
| Drews, Nils | "Einführung in die Daten des FDZ", at: "Basiswissen Daten", IAB, Nuremberg, 27.08.08. |
| Hethey, Tanja | "Betriebs-Historik-Panel (BHP)", at: "LASER Empirisch", IAB, Nuremberg, IAB, 12.02.08. |
| Hethey, Tanja | "KombiFiD - Combined firm data for Germany", at: "Technology of Data: Collection, Communication, Access and Preservation", International Association for Social Science Information Services & Technology (IASSIST), Stanford University, 30.05.08. |

| Lecturer | Title |
|------------------------|--|
| Hethey, Tanja | "Some Steps on the White Map- Matching Business Data from Different Sources", at: "European Conference on Quality in Official Statistics (Q2008)", Eurostat, ISTAT (Italian National Institute of Statistics), Rome, 09.07.08. |
| Hethey, Tanja | "National Institutions and Gender Equality at Home", at: "APSA 2008- annual meeting", American Political Science Association (APSA), Boston, 29.08.08. |
| Hochfellner, Daniela | "Einführung in das IAB-Betriebspanel", at: "Uni-Seminar: Forschungsplanung/-praxis", University of Erlangen-Nuremberg, Chair of Sociology and Empirical Social Research, Nuremberg, 04.11.08. |
| Huber, Martina | "Vorstellung des Projekts "Berufliche Weiterbildung als Bestandteil Lebenslangen Lernens"", at: "Projekttreffen", PEGE, Strasbourg, 04.06.08. |
| Huber, Martina | "Frauen ab 50 - Bedürfnisse und betriebliche Barrieren im Bereich der beruflichen Weiterbildung", at: "Frauen ab 50 im Spannungsverhältnis von individuellen Bedürfnissen und gesellschaftlichen Rahmenbedingungen", Wissenschaftsforum Heidelberg, Heidelberg, 11.07.08. |
| Huber, Martina | "Across the Borders - The Added Value of Process Generated Data Linked with Survey Data", at: "Process Generated Data", ISA RC 33 Research Committee on Logic and Methodology, Naples, 04.09.08. |
| Huber, Martina | "Lebenslanges Lernen als Antwort auf die Transformation der Arbeitsgesellschaft", at: "34. Kongress der Deutschen Gesellschaft für Soziologie", Deutsche Gesellschaft für Soziologie (German Sociological Association), Jena, 07.10.08. |
| Huber, Martina | "Einführung in das IAB-Betriebspanel", at: "Uni-Seminar: Forschungsplanung/-praxis", University of Erlangen-Nuremberg, Chair of Sociology and Empirical Social Research, Nuremberg, 04.11.08. |
| Jacobebbinghaus, Peter | "Die Linked Employer-Employee Daten des IAB (LIAB)", at: "LASER Empirisch - Präsentation der Daten-S(ch)ätze", Labor and Socio-Economic Research Center (LASER), Nuremberg, 12.02.08. |
| Jacobebbinghaus, Peter | "Einführung in das Arbeiten mit den Personendaten der BA und des IAB", at: "Workshop zur Einführung in das Arbeiten mit den Personendaten der BA und des IAB", Research Data Centre of the Federal Employment Agency at the Institute for Employment Research, Nuremberg, 26.03.08. |
| Jacobebbinghaus, Peter | "Providing Access to Microdata: The German Experience and the RDC of the BA in the IAB", at: "Summer School: Labor Economics - Theory, Empirical Methods, Current Research", Flexibility in Heterogeneous Labour Markets, priority programme of the German Research Foundation, ZEW Mannheim, 19.09.08. |
| Jacobebbinghaus, Peter | "News from the Research Data Centre", at: "3rd User Conference on the Analysis of BA and IAB Data", FDZ, Nuremberg, 05.12.08. |
| Mosthaf, Alexander | "Paradigmenwechsel in der Arbeitsmarktpolitik – wirkt die Aktivierung auf die Konzessionsbereitschaft?", at: "Jahrestagung der Gesellschaft für Sozialen Fortschritt e.V.", Gesellschaft für Sozialen Fortschritt e.V. (Association for Social Progress), Hennef, 24.10.08. |
| Mosthaf, Alexander | "Paradigmenwechsel in der Arbeitsmarktpolitik - wirkt die Aktivierung auf die Konzessionsbereitschaft?", at: "Arbeitsmärkte in Deutschland gestalten - Wirkungen der Reformen und weiterer Handlungsbedarf", German Institute for Economic Research (DIW) Halle, Institute for Employment Research (IAB) of the Federal Employment Agency (BA), Halle, 29.10.08. |
| Müller, Dana | "Das IAB-Betriebspanel", at: "Methoden der Organisationsforschung", University of Duisburg, Prof. Dr. Stefan Liebig, Duisburg, 14.01.08. |
| Müller, Dana | "Die Prozessdaten der BA als Datengrundlage für das IAB und das FDZ", at: "Arbeitsgruppe: Optimierung des bestehenden kriminalstatistischen Systems im Anschluss an die Fachtagung: Was wüssten wir gern? Kriminalstatistik im Lichte internationaler Erfahrungen", Centre for Criminology (Kriminologische Zentralstelle e.V.) and German Council for Social and Economic Data, Berlin, 18.04.08. |

| Lecturer | Title |
|-----------------------|--|
| Müller, Dana | "Access to labor market data in Germany", at: "Technology of Data Collection, Communication, Access and Preservation", IASSIST, Stanford University, 28.05.08. |
| Müller, Dana | "SGB II Befragungsdaten im Forschungsdatenzentrum der BA im IAB", at: "Ad-Hoc-Gruppe: „Unsicherheiten im Erwerbsverlauf – Forschung mit den Daten der öffentlichen Forschungsdatenzentren der Bundesagentur für Arbeit, der Rentenversicherung und der statistischen Ämter des Bundes und der Länder“", Uncertain Times. 34th Congress of the German Society of Sociology, Jena, 10.10.08. |
| Müller, Dana | "Social inequality of women over the employment life cycle – a comparison of cohorts born after 1935 in West-Germany", at: "Fertility and Social Stratification - Germany and Japan in Comparison", German Institute for Japanese Studies, Tokyo, 07.11.08. |
| Oberschachtsiek, Dirk | "Einführung in das Arbeiten mit den Personendaten der BA und des IAB", at: "Workshop zur Einführung in das Arbeiten mit den Personendaten der BA und des IAB", Research Data Centre of the Federal Employment Agency at the Institute for Employment Research, Nuremberg, 26.03.08. |
| Oberschachtsiek, Dirk | "Austritt aus der Selbständigkeit - Humankapital und Opportunitätskosten als Austrittsdeterminanten", at: "Volkswirtschaftliches Forschungskolloquium", Leuphana University of Lüneburg, Institute of Economics, Lüneburg, 11.06.08. |
| Schmucker, Alexandra | "Das BA-Beschäftigtenpanel", at: "LASER Empirisch", IAB, Nuremberg, 12.02.08. |
| Schmucker, Alexandra | "Across the Borders - The Added Value of Process Generated Data Linked with Survey Data", at: "Process Generated Data", ISA RC 33 Research Committee on Logic and Methodology, Naples, 04.09.08. |
| Schmucker, Alexandra | "Lebenslanges Lernen als Antwort auf die Transformation der Arbeitsgesellschaft", at: "34th Congress of the German Society of Sociology", German Society of Sociology, Jena, 07.10.08. |
| Schmucker, Alexandra | "Einführung in das IAB-Betriebspanel", at: "Uni-Seminar: Forschungsplanung/-praxis", University of Erlangen-Nuremberg, Chair in Sociology and Empirical Research, Nuremberg, 04.11.08. |
| Schmucker, Alexandra | "News from the Research Data Centre", at: "3rd User Conference on the Analysis of BA and IAB Data", FDZ, Nuremberg, 05.12.08. |
| Scioch, Patrycja | "Quality of Administrative Data - Bringing out the Best. Testing Data Corrections for Overlaps and Inconsistencies.", at: "European Conference on Quality in Official Statistics", Istat (Italian National Institute of Statistics), Eurostat (Statistical Office of the European Communities), Rome, 10.07.08. |
| Scioch, Patrycja | "Testing Different Cleansing Procedures for Overlaps and Inconsistencies in Administrative Data. The Case of German Labour Market Data", at: "7th International Conference on Social Science Methodology", RC33 - Logic and Methodology in Sociology, Naples, 04.09.08. |
| Spengler, Anja | "KombiFiD - Combined firm data for Germany", at: "Technology of Data: Collection, Communication, Access and Preservation", International Association for Social Science Information Services & Technology (IASSIST), Stanford University, 30.05.08. |
| Spengler, Anja | "Betriebliche Beschäftigungsstrukturen älterer Arbeitnehmerinnen in Deutschland", at: "Frauen ab 50 im Spannungsfeld von individuellen Bedürfnissen und gesellschaftlichen Rahmenbedingungen", Prof. Dr. Birgit Blättel-Mink PD Dr. Caroline Kramer, Heidelberg, 11.07.08. |
| Spengler, Anja | "Betriebliche Beschäftigungsstrukturen älterer Arbeitnehmerinnen in Deutschland", at: "5 Jahre Forschungsdatenzentrum der Rentenversicherung", Social Science Research Centre Berlin, Berlin, 18.07.08. |
| Spengler, Anja | "Some steps on the white map - Business data: are survey data measuring the same as administrative data?", at: "Seventh International Conference on Social Science Methodology", ISA RC 33, Naples, 03.09.08. |

Appendix 3: FDZ Publications 2008

| Citation form | Type/Medium |
|--|---------------------------------------|
| Lane, Julia (ed.); Bender, Stefan (ed.) (2008): Firms and employees special issue. In: Labour Economics, Vol. 15, No. 4, pp. 660-794. | 1. SSCI journals |
| Drechsler, Jörg; Dundler, Agnes; Bender, Stefan; Rässler, Susanne; Zwick, Thomas (2008): A new approach for disclosure control in the IAB establishment panel. Multiple imputation for a better data access. In: Advances in Statistical Analysis, Vol. 92, No. 4, pp. 439-458. | 1. SSCI journals |
| Bender, Stefan; Koch, Susanne; Meßmann, Susanne; Walwei, Ulrich (2008): Was muten sich Arbeitslose zu? Lohnkonzessionen von ALG II-Empfängern. In: Sozialer Fortschritt, Jg. 57, H. 3, pp 75-85. | 2. Other refereed journals |
| Brandt, Maurice; Oberschachtsiek, Dirk; Pohl, Ramona (2008): Neue Datenangebote in den Forschungsdatenzentren. Betriebs- und Unternehmensdaten im Längsschnitt. In: Wirtschafts- und Sozialstatistisches Archiv. AStA, Jg. 2, H. 3, pp. 193-207. | 2. Other refereed journals |
| Spengler, Anja (2008): The Establishment History Panel. In: Schmollers Jahrbuch. Zeitschrift für Wirtschafts- und Sozialwissenschaften, Jg. 128, H. 3, pp. 501-509. | 2. Other refereed journals |
| Bauer, Thomas K.; Schmucker, Alexandra; Vorell, Matthias (2008): KMU und Arbeitsplatzdynamik: Eine Analyse auf Basis der Beschäftigten-Historik. In: Zeitschrift für ArbeitsmarktForschung, Jg. 41, H. 2/3, pp. 199-221. | 2. Other refereed journals |
| Lane, Julia; Bender, Stefan (2008): Editorial: Introduction to special issue "firms and employees". In: Labour Economics, Vol. 15, No. 4, pp. 661-662. | 3. Other journals |
| Bender, Stefan; Rosemann, Martin; Zühlke, Sylvia; Zwick, Markus (2008): Betriebs- und Unternehmensdaten im Längsschnitt - neue Datenangebote und ihre Forschungspotenziale. Vorwort. In: Wirtschafts- und Sozialstatistisches Archiv. AStA, Jg. 2, H. 3, pp. 189-191. | 3. Other journals |
| Drechsler, Jörg; Bender, Stefan; Rässler, Susanne (2008): Comparing fully and partially synthetic datasets for statistical disclosure control in the German IAB establishment panel. In: Transactions on Data Privacy, Vol. 1, No. 3, pp. 105-130. | 3. Other journals |
| Jacobebbinghaus, Peter; Mohrenweiser, Jens; Zwick, Thomas (2008): Wie kann die durchschnittliche Ausbildungsquote in Deutschland korrekt gemessen werden? . (ZEW Discussion paper, 08-55), Mannheim, 22 pages. | 4. Working paper / discussion paper |
| Bender, Stefan; Fertig, Michael; Görlitz, Katja; Huber, Martina; Schmucker, Alexandra (2008): WeLL - unique linked employer-employee data on further training in Germany. (Ruhr economic papers, 67), Essen, 12 pages. | 4. Working paper / discussion paper |
| Estevez-Abe, Margarita; Hethey, Tanja (2008): How policies affect women's economic position within the family. Labor market institutions and wives' contribution to household income. (Luxembourg Income Study. Working paper, 505), Luxembourg, 50 pages. | 4. Working paper / discussion paper r |
| Bauer, Thomas K.; Schmucker, Alexandra; Vorell, Mathias (2008): KMU und Arbeitsplatzdynamik. Eine Analyse auf Basis der Beschäftigten-Historik-Datei. (IAB Discussion Paper, 02/2008), Nuremberg, 36 pages. | 4. Working paper / discussion paper |
| Oberschachtsiek, Dirk (2008): Founders' experience and self-employment duration. The importance of being a 'Jack-of-all-trades'. An analysis based on competing risks. (IAB Discussion Paper, 40/2008), Nuremberg, 27 pages. | 4. Working paper / discussion paper |
| Bender, Stefan (ed.); Lane, Julia (ed.); Shaw, Kathryn (ed.); Andersson, Fredrik (ed.); Wachter, Till von (ed.) (2008): The analysis of firms and employees. Quantitative and qualitative approaches. (National Bureau of Economic Research. Conference report), Chicago u.a.: University of Chicago Press, 386 pages. | 5. Monograph |

| Citation form | Type/Medium |
|---|---|
| Bender, Stefan; Fertig, Michael; Görlitz, Katja; Huber, Martina; Hummelsheim, Stefan; Knerr, Petra; Schmucker, Alexandra; Schröder, Helmut (2008): WeLL - Berufliche Weiterbildung als Bestandteil Lebenslangen Lernens. (RWI-Materialien, 45), Essen, 42 pages. | 5. Monograph |
| Bender, Stefan; Himmelreicher, Ralf; Zühlke, Sylvia; Zwick, Markus (2008): ForschungsDatenZentren. Eine informationelle Infrastruktur mit erfreulichem DatenZugang. In: Fortschritte der informationellen Infrastruktur in Deutschland. Festschrift für Johann Hahlen zum 65. Geburtstag und Hans-Jürgen Krupp zum 75. Geburtstag, Baden-Baden: Nomos Verlagsges., pp. 147-158. | 6. Articles in collected editions |
| Bender, Stefan; Möller, Joachim; Wolff, Joachim (2008): Das alte Institut und das Datenmeer. Grundsätze der Datengenerierung im IAB. In: Fortschritte der informationellen Infrastruktur in Deutschland. Festschrift für Johann Hahlen zum 65. Geburtstag und Hans-Jürgen Krupp zum 75. Geburtstag, Baden-Baden: Nomos Verlagsges., pp. 184-193. | 6. Articles in collected editions |
| Wachter, Till von; Bender, Stefan (2008): Do initial conditions persist between firms? An analysis of firm-entry cohort effects and job losers using matched employer-employee data. In: The analysis of firms and employees. Quantitative and qualitative approaches, (National Bureau of Economic Research. Conference report), Chicago u.a.: University of Chicago Press, pp. 135-162. | 6. Articles in collected editions |
| Huber, Martina; Birkmann, Sabine: Zwischenbericht des Projektes "Berufliche Weiterbildung als Bestandteil lebenslangen Lernens" - Betriebsbefragung (forthcoming). 15 pages. | 7. grey literature and other literature |
| Schank, Thorsten; Schnabel, Claus; Stephani, Jens; Bender, Stefan (2008): Niedriglohnbeschäftigung: Sackgasse oder Chance zum Aufstieg? (IAB-Kurzbericht, 08/2008), Nuremberg, 8 pages. | 7. grey literature and other literature |
| Bauer, Thomas K.; Schmucker, Alexandra; Vorell, Matthias (2008): Beschäftigungsbeitrag von kleinen und mittleren Unternehmen: Viel Umschlag, wenig Gewinn. (IAB-Kurzbericht, 23/2008), Nuremberg, 6 pages. | 7. grey literature and other literature |
| Scioch, Patrycja; Szameitat, Jörg (2008): Ergebnisse des Projekts "Individualdatenbank" der Begleitforschung zum ESF-BA-Programm. Daten zur Förderentwicklung von 2000 bis 2007. (IAB-Projektbericht), Nuremberg, 198 pages. | 7. grey literature and other literature |

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